

INTERNATIONAL SEARCH REPORT

national Application No

PCT/IB2004/050970

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G11B7/125

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/085463 A1 (MINEMURA HIROYUKI ET AL) 4 July 2002 (2002-07-04) paragraphs '0017! - '0019!, '0038! - '0066! -----	1-20
X	US 6 243 339 B1 (DUCHATEAU JOHAN P W B ET AL) 5 June 2001 (2001-06-05) column 1, line 15 - column 2, line 13 -----	1,10
X	US 2002/036961 A1 (UEKI YASUHIRO ET AL) 28 March 2002 (2002-03-28) paragraph '0069! -----	1,10
X	EP 1 059 630 A (MATSUSHITA ELECTRIC IND CO LTD) 13 December 2000 (2000-12-13) paragraphs '0011! - '0047! -----	1,10
		-/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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Date of the actual completion of the international search

5 October 2004

Date of mailing of the international search report

15/10/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 2004/001730 A (KONINKL PHILIPS ELECTRONICS NV ; LANGEREIS GERARDUS R (NL)) 31 December 2003 (2003-12-31) cited in the application the whole document -----	1,10
X	US 5 949 747 A (MIYASHITA AKIRA ET AL) 7 September 1999 (1999-09-07) column 17, line 3 - column 19, line 12 -----	1,10
A	US 2002/136123 A1 (OGAWA TOSHIHIRO) 26 September 2002 (2002-09-26) paragraph '0069! -----	9,10,19, 20
A	EP 1 191 520 A (PIONEER CORP) 27 March 2002 (2002-03-27) paragraph '0078! -----	8,18

INTERNATIONAL SEARCH REPORT

Information on patent family members

National Application No

PCT/IB2004/050970

Patent document cited in search report	Publication date	Patent family member(s)			Publication date
US 2002085463	A1 04-07-2002	US 2001043529	A1	22-11-2001	
		EP 1033704	A1	06-09-2000	
		EP 0865035	A2	16-09-1998	
		JP 10320777	A	04-12-1998	
		TW 382703	B	21-02-2000	
		US 6269062	B1	31-07-2001	
US 6243339	B1 05-06-2001	AU 1171199	A	28-06-1999	
		BR 9807557	A	28-03-2000	
		CA 2279858	A1	17-06-1999	
		CN 1117358	B	06-08-2003	
		EP 0958575	A1	24-11-1999	
		HU 0003818	A2	28-02-2001	
		WO 9930316	A2	17-06-1999	
		IL 131239	A	29-05-2003	
		JP 2001511289	T	07-08-2001	
		RU 2229171	C2	20-05-2004	
		TR 9901868	T1	21-02-2000	
		TW 430790	B	21-04-2001	
US 2002036961	A1 28-03-2002	JP 2002109739	A	12-04-2002	
		CN 1345040	A	17-04-2002	
EP 1059630	A 13-12-2000	EP 1059630	A1	13-12-2000	
		US 6791926	B1	14-09-2004	
		CN 1114905	B	16-07-2003	
		WO 0028535	A1	18-05-2000	
		JP 2000200418	A	18-07-2000	
		TW 457476	B	01-10-2001	
		US 2004022151	A1	05-02-2004	
		US 2004017752	A1	29-01-2004	
WO 2004001730	A 31-12-2003	WO 2004001730	A1	31-12-2003	
US 5949747	A 07-09-1999	JP 10069639	A	10-03-1998	
US 2002136123	A1 26-09-2002	JP 2002288831	A	04-10-2002	
		CN 1377030	A	30-10-2002	
		TW 512319	B	01-12-2002	
EP 1191520	A 27-03-2002	JP 2002100046	A	05-04-2002	
		EP 1191520	A2	27-03-2002	
		US 2002064109	A1	30-05-2002	